

Round 2 Management Actions Workshop

Integration Applications - Worksheet Guide

1. Purpose of worksheet and definitions of key terms for the integration workshops.

2. Categories and subcategories help identify specific integration opportunities for MAs.

3. Draft opportunity for strategic integration and implementation challenges identified by plan development staff based on Phase 1 and Round 1 Workshops.

Workshop participants, working with plan development staff, will add to and refine list.

Worksheet Purpose:

Review and discuss how management actions are compatible (or incompatible) with different community settings, and how they might best be applied therein.

Definition of Worksheet Key Terms/Phrases:

- Opportunity for Strategic Integration:** Opportunities to incorporate features or actions that would strategically broaden the benefits of the specific management action(s) to achieve water supply, environmental restoration, or other benefits. This requires looking beyond the incidental or ancillary benefits that may occur as a result of implementing flood management improvements.
- Conditions Needed for Success/Maximizing Benefits of Strategic Integration:** Physical, geographical, and other conditions that would need to be present for successful integration of the identified opportunities and/or to maximize the benefits of integration opportunities.
- Implementation Challenges Specific to Integration:** Obstacles, barriers, or impacts that might need to be overcome or alleviated for allow for successful implementation of the strategic integration opportunities into the specific management action(s).
- Ways to Overcome Challenges and/or Maximize Benefits of Strategic Integration:** Steps that can be taken to overcome or alleviate implementation challenges.

Example:

Management Action Category/ Subcategory	Opportunity for Strategic Integration	Conditions Needed for Success/Maximizing Benefits of Strategic Integration	Implementation Challenges to Integration	Ways to Overcome Challenges and/or Maximize Benefits of Strategic Integration ⁽ⁱ⁾
Additional Floodplain & Reservoir Storage - Additional Floodplain Storage	<ul style="list-style-type: none">Groundwater rechargeFloodplain ecosystem functions and habitats (riparian, wetland, and shallow water habitat)	<ul style="list-style-type: none">Soil conditions must be suitable for rechargeGroundwater overdraft conditions and/or local supply needs existHydrologic and geologic conditions that sustain healthy ecosystems (as found in historical floodplains or flood basins)Proximity to existing habitat or connection to existing habitat corridors	<ul style="list-style-type: none">Infrastructure needed to extract and deliver recharged groundwaterFeasibility as a groundwater recharge feature would require frequent inundationSediment deposition would affect groundwater recharge ratesDisruptive to existing land uses (agricultural practices and revenue generation)Funding for long-term maintenance of restored habitat areaFrequent flooding required for maximum environmental benefitsFish strandingPotential impacts to adjacent landowners (presence of endangered species)	<ul style="list-style-type: none">Construct operable inlet/outlet features to allow inundation and recharge outside flood seasonRegular maintenance of storage area to preserve recharge potentialEasements to compensate for changes in land usesRecovery/clean-up assistance after floodsPre-fund long-term maintenance at time of implementationConstruct low flow channels and egress features to prevent strandingSafe Harbor Agreements

4. Several conditions needed for success and ways to overcome or alleviate challenges are provided as examples.

Workshop participants, working with plan development staff, will add to the list.

Linkages to existing initial MAs will be noted when possible.

(i) Follow-on work will be required to look at how actions to overcome implementation challenges can be carried out, such as needed financing to pay for alleviating the implementation challenge.